CODE ANALYSIS

APPLICABLE CODES

	Year		Year
International Building Code	2006	National Electrical Code	2006
International Mechanical Code	2006	Uniform Code for	
International Plumbing Code	2006	Building Conservation	
International Fire Code	2006	ADA Accessibility	
International Energy		Guidelines	ICC/ANSI 117.1 1998
Conservation Code	2006		

A. Occupancy and Group: EXIST. BLDG.: B

Change in Use: Yes _____ No ✓ Mixed Occupancy: Yes _____ No ✓

Special Use and Occupancy (e.g. High Rise, Covered Mall): _____

B. Seismic Design Category: _____ Design Wind Speed: _____ mph

C. Type of Construction (circle one):

I/A I/B II/A II/B III/A (III/B) IV/HT V/A V/B

D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours):

North: _____ South: _____ East: _____ West: _____

E. Mixed Occupancies: _____ Nonseparated Uses: _____

F: Sprinklers:

Required: _____ Provided: _____ Type of Sprinkler System: _____

G: Number of Stories: 2 Building Height: 30'

H: Actual Area per Floor (square feet): EXISTING: 18,906 SF

I: Tabular Area: NA

J: Area Modifications:

a) $A_a = A_t + \left[\frac{A_t I_f}{100}\right] + \left[\frac{A_t I_a}{100}\right]$ $I_f = 100\left[\frac{F}{P} - 0.25\right]\frac{W}{30}$

b) Sum of the Ratio Calculations for Mixed Occupancies:

$\frac{\text{Actual Area}}{\text{Allowable Area}} \leq 1$

c) Total Allowable Area for:

1) One Story: 1,871 SF
2) Two Story: $A_a(2)$ 1,346 SF
3) Three Story: $A_a(3)$_____

d) Unlimited Area Building: Yes _____ No ✓ Code Section: _____

K. Fire Resistance Rating Requirements for Building Elements (hours).

N/A

L. Design Occupant Load: N/A

Exit Width Required: N/A Exit Width Provided: N/A

M. Minimum Number of Required Plumbing Facilities:

a) Water Closets - Required (m) _____ (f) _____ Provided (m) _____ (f) _____
b) Lavatories - Required (m) _____ (f) _____ Provided (m) _____ (f) _____
c) Bath Tubs or Showers: _____
d) Drinking Fountains: _____ Service Sinks: _____

FOOTNOTES:

1) In case of conflict with the U.S. Department of Justice Federal Registers Parts I through V - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.

2) Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:
   a) High Rise Requirements.
   b) Atriums.
   c) Performance Based Criteria.
   d) Means or Egress Analysis.
   e) Fire Assembly Locator Sheet.
   f) Exterior and Interior Accessibility Route.
   g) Fire Stopping, Including Tested Design Number.

All Roofing material manufacturers are required to meet or exceed the manufacturing UL assembly # as outlined in the Underwriters Laboratories, Inc. Roofing Materials and Systems Directory Book

ELK CORP
SUITE 600 14911
QUORUM DR
DALLAS, TX 75254
UL R3915
Class H ASPHALT SHINGLES, DESIGNATED "RAISED PROFILE"

OWENS CORNING
1 OWENS CORNING PARKWAY
TOLEDO, OH 43659
QUORUM DR
UL R2453
Class H ASPHALT SHINGLES, DESIGNATED CLASS "SUPREME"

GAF MATERIALS CORP.
1361 APLS RD.
WAYNE, NJ 07470
UL R21
ASPHALT SHINGLES, DESIGNATED CLASS "CLASS A"

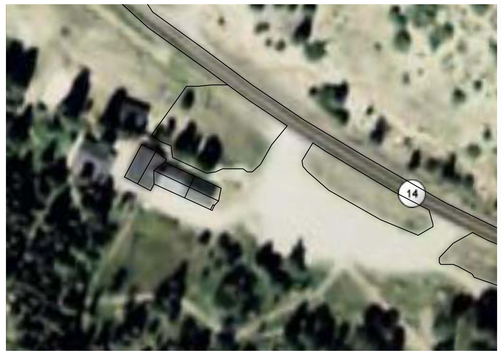
Please note: All Other manufacturers will be reviewed for approval prior to bid. All UL manufacturer assembly criteria must be provided to the architect or owner for review and approval prior to bidding.

VICINITY MAP

PROJECT LOCATION

N

SITE MAP



PROJECT LOCATION

N

SYMBOL LEGEND

ROOM NAME / 100 — ROOM NUMBER 1ST DIGIT INDICATES FLOOR

100 / A 1.1 — DOOR NUMBER, HARDWARE GROUP, FRAME NUMBER, DOOR TYPE — DOOR SYMBOL

1 / B1 / F1 / 1 — NORTH WALL FINISH, BASE FINISH, FLOOR FINISH — FINISH SYMBOL

T.O. ELEV. = — ELEVATION MARKER

MATCH LINE — AREA 1 / AREA 2 — LINE MATCH SYMBOL

ACT / 8'-0" — CEILING TYPE AND HEIGHT

A1 / A100 — DETAIL REFERENCE

A1 / A100 — EXTERIOR ELEVATION

A1 / A100 — INT. ELEVATION SYMBOL

A — GLAZING TYPE

1 — WINDOW NUMBER

100'-0" — SPOT ELEVATION MARKER

A1 / A100 — BUILDING SECTION

A1 / A100 — WALL SECTION

A1 / A100 — WALL TYPE

GRAPHIC SYMBOLS

EARTH
CEMENTIOUS BACKER BD.
CMU
BRICK
WOOD BLOCKING
WOOD FRAMING
STEEL
RIGID INSULATION
ASPHALT PAVING
DENSGLASS SHEATHING
GRAVEL
CONCRETE
PLYWOOD
WOOD FINISH
ALUMINUM
BATT INSULATION
CERAMIC TILE
GYPSUM SHEATHING

DRAWING INDEX

GENERAL
GI101 GENERAL INFORMATION

ARCHITECTURAL
AD101 DEMOLITION PLAN
AE101 GENERAL ROOF PLAN

STRUCTURAL
1 PORCH SECTION AND FRAMING PLAN

NOTE: THE SHEETS LISTED ABOVE REPRESENT A FULL SET OF CONSTRUCTION DOCUMENTS AND INCLUDE A DETAIL BOOK AND A PROJECT MANUAL AND SHALL NOT BE SEPARATED. ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR ANY OTHER PERSON PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE RESPONSIBLE FOR REVIEWING ALL THE CONSTRUCTION DOCUMENTS INCLUDING BUT NOT LIMITED TO DRAWINGS, DETAILS, PROJECT MANUAL, SPECIFICATIONS AND ANY AND ALL ADDENDA ISSUED.

PROJECT TEAM

OWNER:
State of Utah - Division of Facilities Construction & Management.
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State of Utah–Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT
4110 State Office Building Lake City, Utah 84114/538-3018

SUU SOUTHERN UTAH UNIVERSITY

MOUNTAIN CENTER RE-ROOF

Southern Utah University
351 West University Boulevard
Cedar City, UT 84720
435.586.7700

DFCM PROJECT # 07021730

Axis Architects
352 SOUTH DENVER STREET(440 EAST) SALT LAKE CITY UTAH 84111 P 355-3003 F 355-0113

SUU MOUNTAIN CENTER RE-ROOF PROJECT
CEDAR CITY, UT
DFCM PROJECT# 07021730

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Date 05-07-07
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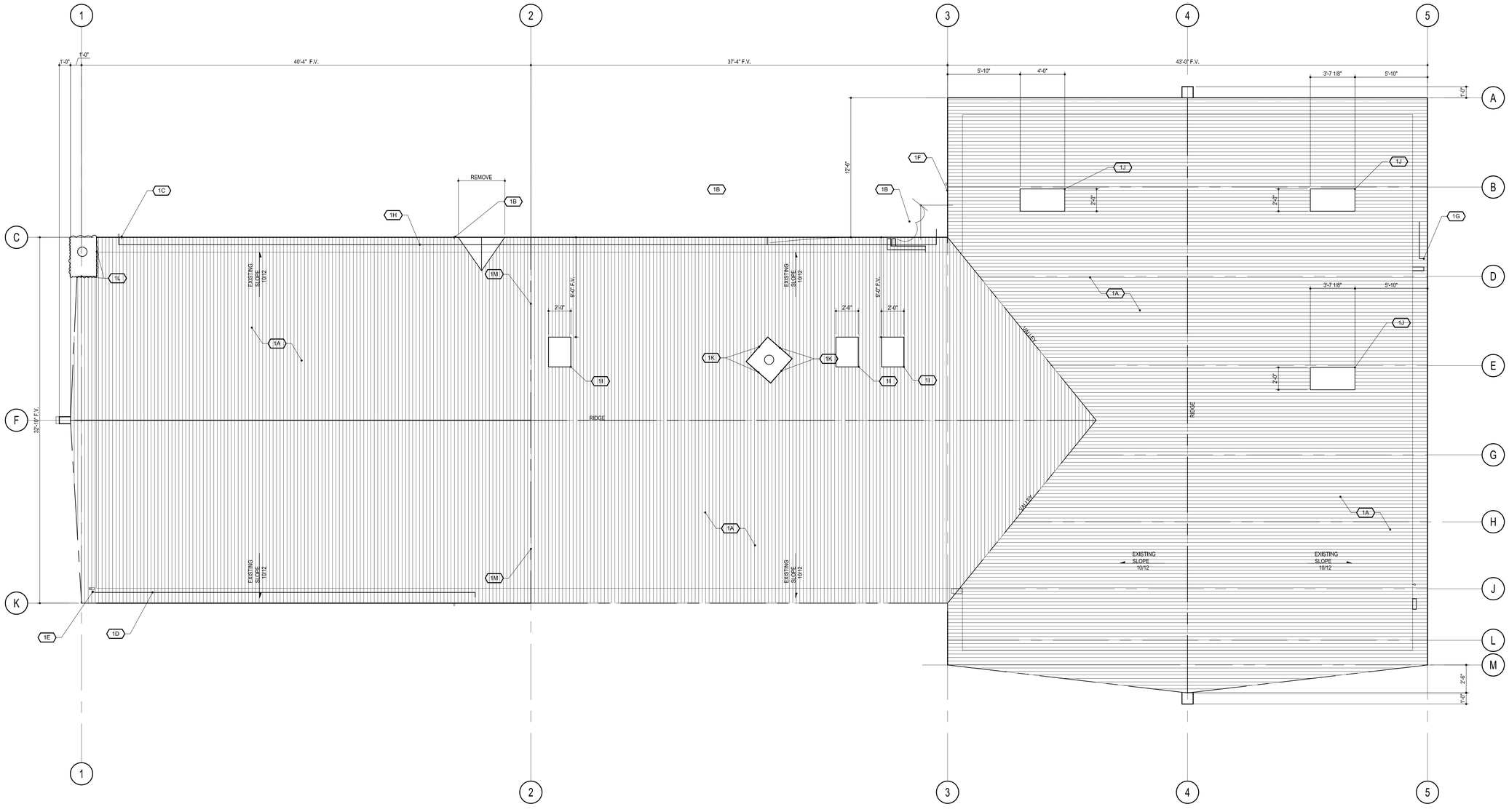
INFORMATION SHEET

GI101



C1 SUU MOUNTAIN CENTER

SCALE: 1/8"=1'-0"

NORTH

GENERAL DEMOLITION NOTES

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
2. WHERE EXISTING ROOF DEMOLITION IS INDICATED, MEASURES MUST BE TAKEN TO AVOID DAMAGING OTHER BUILDING ELEMENTS.
3. ELECTRICAL CONDUIT AND PROPANE LINES MAY BE EXPOSED DURING DEMOLITION. CONTRACTOR TO PROTECT CONDUIT.
4. CONTRACTOR TO COORDINATE DEMOLITION STAGING AREAS WITH OWNER.
5. CONTRACTOR TO TAKE SPECIAL PRECAUTION IN THE DEMOLITION OF INTERIOR CEILINGS TO INSTALL NEW SKYLIGHT UNITS.

DEMOLITION KEYED NOTES

- 1A REMOVE EXISTING METAL ROOF PANEL SYSTEM AND UNDERLAYMENT WHERE OCCURS DOWN TO EXISTING T&G ROOF DECK.
- 1B REMOVE EXISTING METAL ROOF ABOVE DOOR.
- 1C EXISTING PROPANE LINE @ EAVES TO REMAIN. CONTRACTOR TO TAKE PRECAUTION TO PROTECT DURING RE-ROOFING.
- 1D EXISTING ELECTRICAL CONDUIT TO REMAIN AT EAVES LOCATION.
- 1E REMOVE EXISTING SECURITY LIGHT AND BRACKET. CONTRACTOR TO SALVAGE FOR REINSTALLATION
- 1F CONTRACTOR TO REMOVE MAKE SHIFT ANTENNA BRACKET. ANTENNA AND CO/AX TO BE PROTECTED DURING RE-ROOFING.
- 1G EXISTING PVC HVAC INTAKE AND EXHAUST TO BE PROTECTED DURING RE-ROOF.
- 1H REMOVE EXISTING EXTERIOR LIGHT FIXTURE. CAP POWER AT J BOX.
- 1I REMOVE AS REG. INTERIOR CEILING (PLYWOOD) SAW CUT AS REQUIRED NEW SKYLIGHT OPENING
- 1J REMOVE AS REQUIRED EXISTING T&G INTERIOR ROOF DECK BETWEEN EXISTING STRUCTURE - FOR NEW SKY LIGHT - F.V. - ACTUAL DIMENSION WITH SKYLIGHT MANUFACTURER AND EXISTING ROOF STRUCTURE.
- 1K RE-POINT ALL EXPOSED MASONRY JOINTS ON EXISTING BRICK CHIMNEY.
- 1L REMOVE EXISTING FLASHING AROUND ROCK CHIMNEY.
- 1M REMOVE EXISTING ROOF FACIA AND OVER HANG AT ROOF TRANSITION.

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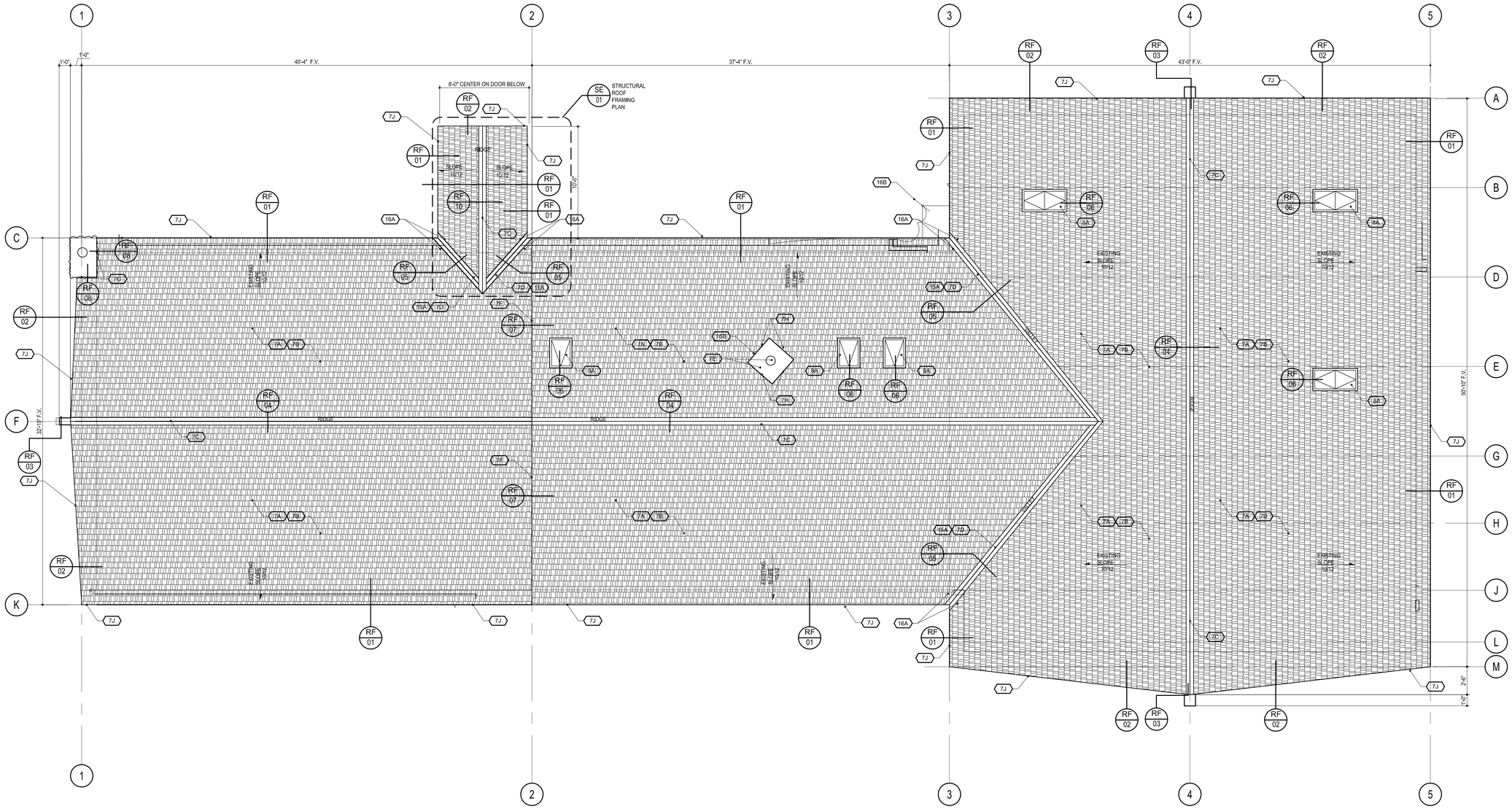

A NEW ROOF PLAN

SCALE: 1/8"=1'-0"

NORTH

NEW CONSTRUCTION GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY THE SIZE AND LOCATION OF ALL ROOFTOP EQUIPMENT AND PENETRATIONS INDICATED ON THE CONSTRUCTION DOCUMENTS AND IN THE FIELD PRIOR TO BID.
2. VERIFY ALL VENT STACKS MEET THE MINIMUM 8" CLEARANCE ABOVE THE NEW FINISHED ROOFING.
3. CONSTRUCTION STAGING AREA TO BE COORDINATED WITH OWNER PRIOR TO COMMENCEMENT OF CONSTRUCTION. CONTRACTOR TO FENCE OFF CONSTRUCTION SITE PRIOR TO RE-ROOFING.

NEW CONSTRUCTION KEYED NOTES

7A NEW ASPHALT SHINGLE ROOF SYSTEM OVER FELT UNDERLAYMENT OVER ICE AND WATER SHIELD OVER NEW COLD ROOF DECK OVER 7B

7B ONE LAYER OF 2.5 POLY ISO RIGID INSULATION VENTED NAIL BASE INSULATION PANEL OVER ONE LAYER OF 2.5 POLY ISO RIGID INSULATION. OFF SET ALL JOINTS. NOTE: TOTAL INSULATION DEPTH SHALL EQUAL MANUFACTURERS REQUIREMENT FOR R=30

7C NEW PRE FINISHED METAL HI-PERFORMANCE RIDGE VENT FOR USE WITH SHINGLED ROOFS.

7D NEW PRE FINISHED VALLEY METAL SYSTEM.

7E NEW ONE PIECE CHIMNEY PRE FINISHED METAL CAP. FIELD VERIFY DIMENSIONS.CHIMNEY FLU SHALL BE FLASHED UNDER THE GUIDELINES OF SMACNA STANDARDS.

7F NEW PRE-FINISHED METAL FACIA PANEL @ ROOF TRANSITION

7G HORZ. SAW CUT INTO EXISTING STONE CHIMNEY A NEW GROVE DEPTH AS REQUIRED TO SURFACE FLASH METAL FLASHING INTO EXISTING CHIMNEY PROFILE.

7H EXISTING SURFACE MOUNTED FLASHING AT CHIMNEY. COLOR TO MATCH ROOFING SYSTEM.

7J NEW PRE MANUFACTURED PRE FINISHED METAL STRUCTEAVENT EAVE SYSTEM WITH PRE FINISHED METAL FACIA PANEL AND PERFORATED METAL SCREEN. COLOR TO BE SELECTED BY ARCHITECT AND OWNER IN THE FIELD.

8A NEW OPPOSE ABLE ROOF WINDOWS WITH SCREENS, CRICKETS, MANUFACTURED RECOMMENDED CURB, WINDOW SHOULD BE RATED FOR HIGH SNOW WEIGHT. USE PLYWOOD OR PAINTED GYP. BD. TO FINISH NEW INTERIOR OPENING FOR WINDOWS.

15A NEW SELF REGULATING HEAT CABLE INSTALL IN ALL VALLEYS AS DETAILED UNDER & AS PER THE GUIDELINES OF THE MANUFACTURER CONTROLS FOR SYSTEM SHALL BE INSTALLED CONCEALED UNDER THE SOFFIT AREA TYP.

16A INSTALL ELECTRICAL FOR NEW HEAT CABLE FOR EACH CABLE SYSTEM AND AS REQUIRED BY THE MANUFACTURES ELECTRICAL REQUIREMENT . RUN CONDUITS CONCEALED UNDER THE EAVE SPACE. ALL NEW POWER SHALL TIE INTO THE EXISTING BUILDING POWER SYSTEM. CONTRACTOR TO VERIFY ALL CONDITIONS PRIOR TO BID.

16B REINSTALL EXISTING RADIO ANTENNA AS DIRECTED BY OWNER. ANTENNA COULD BE MOUNTED TO MASONRY CHIMNEY.

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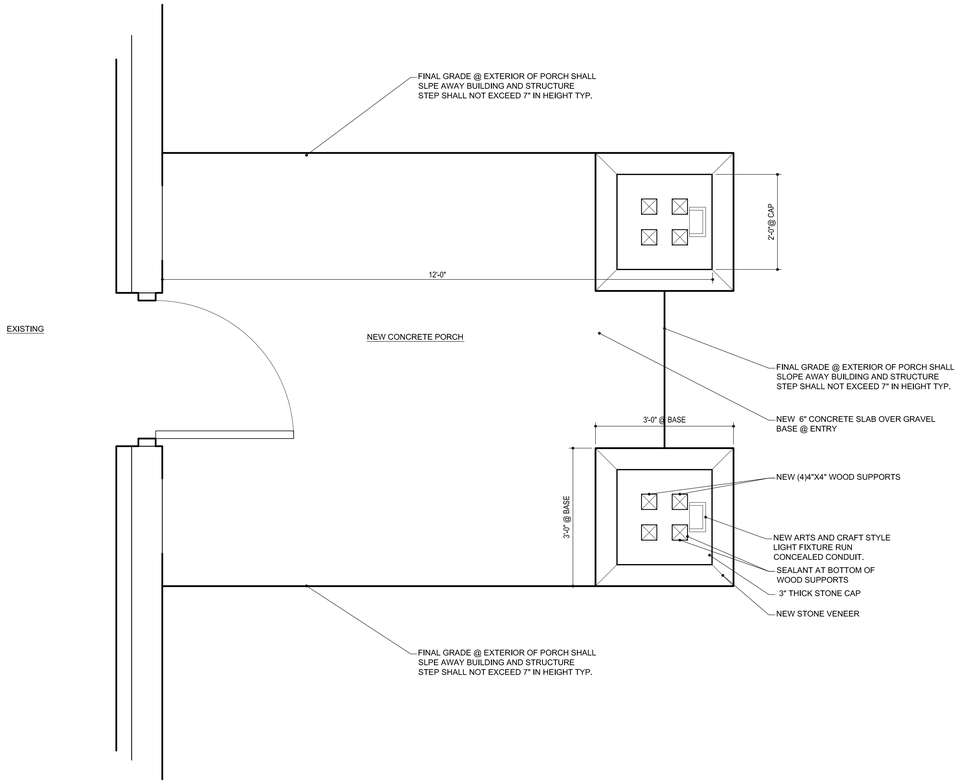
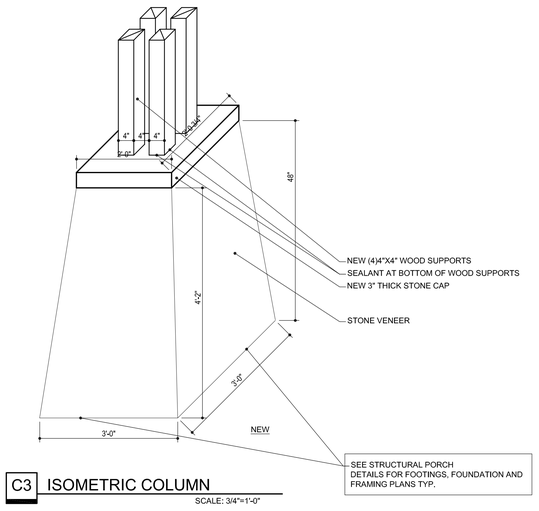
ROOF PLAN

AE101



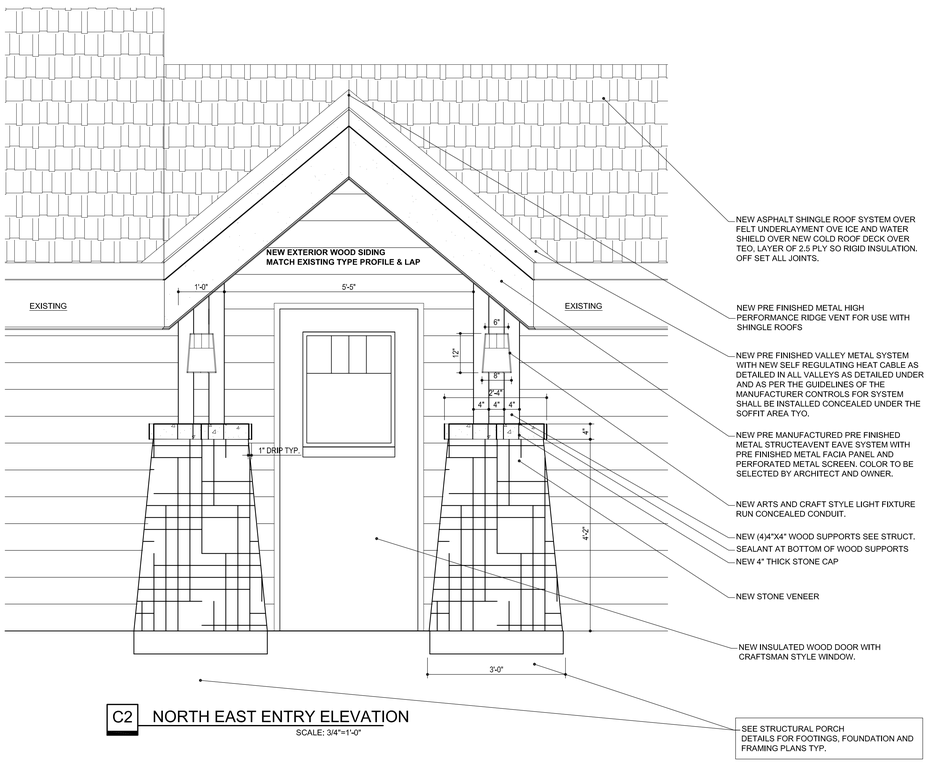
C1 NEW COVERED PORCH PLAN

SCALE: 3/4"=1'-0"



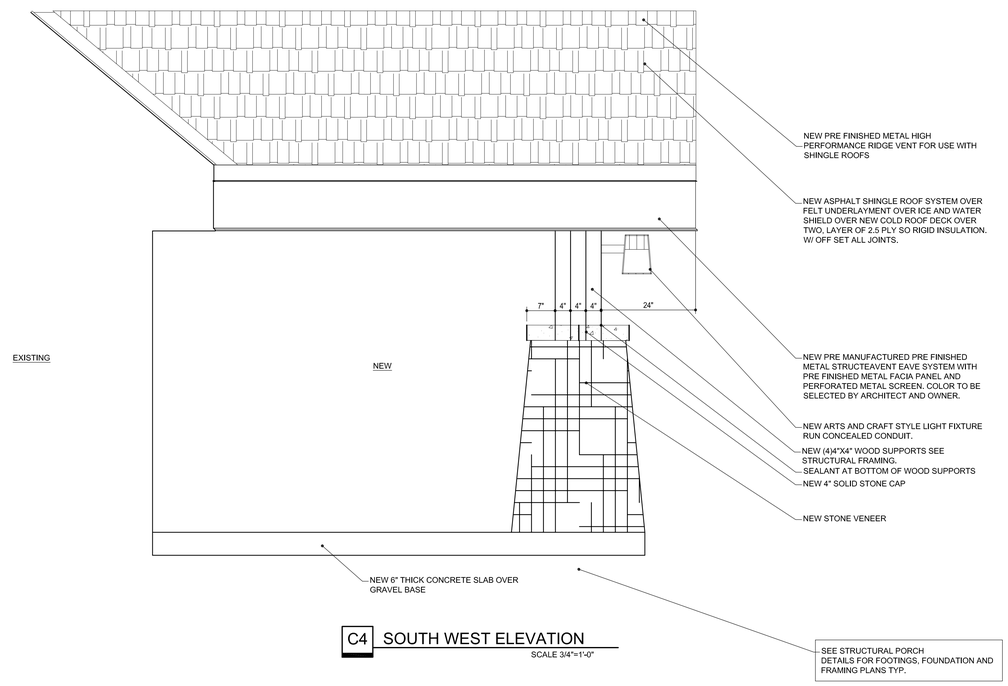
C3 ISOMETRIC COLUMN

SCALE: 3/4"=1'-0"



C2 NORTH EAST ENTRY ELEVATION

SCALE: 3/4"=1'-0"



C4 SOUTH WEST ELEVATION

SCALE 3/4"=1'-0"

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